

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled).

1 Claim 2 (currently amended): A method as claimed in
2 | claim-~~1~~ 16 in which the telephone controller is accessed to
3 obtain information stored in a memory of the telephone
4 controller.

1 Claim 3 (currently amended): A method as claimed in
2 | claim-~~1~~ 16 in which said addresses comprise MAC addresses.

1 Claim 4 (canceled).

1 Claim 5 (currently amended): A method as claimed in
2 | claim-~~1~~ 16 further comprising the step of converting
3 information relating to the devices, the telephone
4 controller, and said one phone into a visual display on a
5 visual display apparatus representing a physical
6 relationship among the devices, the telephone controller and
7 said one phone.

1 Claim 6 (currently amended): A computer program on a
2 computer readable medium loadable into a digital computer,

3 said computer program comprising software for performing the
4 | method of claim-~~1~~16.

Claim 7 (canceled).

1 Claim 8 (currently amended): A program as claimed in
2 | claim-~~7~~17 in which the telephone controller is accessed to
3 obtain information stored in a memory of the telephone
4 controller.

1 Claim 9 (currently amended): A program as claimed in
2 | claim-~~7~~17 in which said addresses comprise MAC addresses.

Claim 10 (canceled).

1 Claim 11 (currently amended): A program as claimed in
2 | claim-~~7~~17 further comprising the program step of converting
3 information relating to the devices, the telephone
4 controller, and the telephones into a visual display on a
5 visual display apparatus representing a physical
6 relationship among the devices, the telephone controller and
7 the phones.

Claim 12 (canceled).

1 Claim 13 (currently amended): A computer program embodied
2 in a carrier wave, said computer program comprising software
3 | for performing the method of claim-~~1~~16.

Claim 14 (canceled).

1 Claim 15 (currently amended): A computer network as claimed
2 | in claim ~~14~~ 19 in which the telephone controller is accessed
3 to obtain information stored in a memory of the telephone
4 controller.

1 Claim 16 (new): A method of discovery of devices on a
2 network, which network comprises a plurality of devices, at
3 least some of which are managed, at least one unmanaged
4 phone, and a telephone controller, said method comprising
5 the steps of:

6 establishing an address for each of the managed
7 devices, the telephone controller, and said one phone so as
8 to define a plurality of addresses;

9 establishing a type of each managed device in the
10 network;

11 determining which of the remaining devices are phones
12 by accessing relevant information in the telephone
13 controller by establishing correspondence between said one
14 phone and its address;

15 using said correspondence to provide a display of
16 topology of the network including said one phone; and

17 discovering and displaying the topology, wherein a
18 single port of a managed device is connected to said one
19 phone and a further non-phone device.

1 Claim 17 (new): A computer program on a computer readable
2 medium or embodied in a carrier wave for use in discovery of
3 devices on a network, which network comprises a plurality of
4 devices, at least some of which are managed, at least one

5 unmanaged phone, and a telephone controller, said computer
6 program comprising:

7 program step for establishing an address for each of
8 the managed devices;

9 program step for establishing an address for the
10 telephone controller;

11 program step for establishing an address for said one
12 phone;

13 program step for determining which of the remaining
14 devices are phones by accessing relevant information in the
15 telephone controller and establishing correspondence between
16 each of said phones and its address;

17 program step for using said correspondence to provide a
18 display of a topology of the network including said one
19 phone; and

20 discovering and displaying the topology, wherein a
21 single port of a managed device is connected to an Ethernet
22 phone and a further non-phone device.

1 Claim 18 (new): A computer program on a computer readable
2 medium or embodied in a carrier wave for use in discovery of
3 devices on a network, which network comprises a plurality of
4 devices, at least one of which is managed, at least one
5 unmanaged phone, and a telephone controller, said computer
6 program comprising:

7 a program step to discover the network, including the
8 managed devices, the telephone controller and to establish
9 MAC addresses of unmanaged phones;

10 a program step to obtain information from the telephone
11 controller containing an association of MAC addresses to
12 each of said phones;

13 a program step to find ports of devices with MAC
14 addresses of said phones; and
15 a program step to determine, in respect of a port on
16 which a MAC address of one of said phones is present, if
17 there is only single MAC address;
18 if yes, a program step to display a phone icon and
19 relevant details connected directly to the port; and
20 if no, a program step to determine if there are first
21 and second MAC addresses and if the first MAC address is
22 associated with one of said phones;
23 if yes, a program step to provide a display of a
24 device with the second MAC address connected to the network
25 via an icon of the phone; and
26 if no, a program step to display an unmanaged
27 aggregator display cloud.

1 Claim 19 (new): A computer network comprising a plurality
2 of devices, at least some of which are managed, at least one
3 unmanaged phone, and a telephone controller, the network
4 having:

5 means for establishing an address for each of the
6 managed devices, the telephone controller and said one
7 phone;

8 means for establishing a type of each managed device in
9 the network, means for determining which of the remaining
10 devices are phones by means for accessing relevant
11 information in the telephone controller by establishing
12 correspondence between each one phone and its address;

13 means for using said correspondence to provide a
14 display of topology of the network including said one phone;
15 and

Appl. No. 09/662,532
Amdt. dated Sept. 2, 2004
Reply to Office Action of June 14, 2004

16 means for discovering and displaying the topology,
17 wherein a single port of a managed device is connected to a
18 phone and a further non-phone device.